



Material Content Data Sheet



Halogen-Free

Sales Product Name	IPA60R120C7	Issued	14. February 2022
MA#	MA005619178		
Package	PG-TO220-3-253	Weight*	2135.26 mg

Construction Element	Material Group	Substances	CAS# if applicable	Weight [mg]	Average Mass [%]	Sum [%]	Average Mass [ppm]	Sum [ppm]
chip	inorganic material	silicon	7440-21-3	5.464	0.26	0.26	2559	2559
leadframe	inorganic material	phosphorus	7723-14-0	0.429	0.02		201	
	non noble metal	iron	7439-89-6	1.431	0.07		670	
	non noble metal	copper	7440-50-8	1,428.770	66.90	66.99	669132	670003
wire	non noble metal	aluminium	7429-90-5	3.848	0.18	0.18	1802	1802
encapsulation	organic material	carbon black	1333-86-4	3.345	0.16		1567	
	plastics	epoxy resin	-	130.473	6.11		61104	
	inorganic material	silicondioxide	60676-86-0	535.275	25.07	31.34	250684	313355
leadfinish	non noble metal	tin	7440-31-5	21.462	1.01	1.01	10051	10051
plating	non noble metal	nickel	7440-02-0	1.764	0.08	0.08	826	826
solder	non noble metal	antimony	7440-36-0	0.300	0.01		140	
	noble metal	silver	7440-22-4	0.750	0.04		351	
	non noble metal	tin	7440-31-5	1.950	0.09	0.14	913	1404
*deviation	< 10%	Sum in total:				100.00		1000000

Important Remarks:

1. Infineon Technologies AG provides full material declaration based on information provided by third parties and has taken and continues to take reasonable steps to provide representative and accurate information.
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This product is in compliance with EU Directive 2015/863/EU amending Annex II to EU Directive 2011/65/EU (RoHS) and does not use any exemption.

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